

ACCESSION NR: AR4041557

$$|y(j\omega)| = \omega C \sqrt{\frac{K^2 + L^2}{M^2 + N^2}} \quad (3)$$

$$\varphi = \arctan \left\{ \frac{KM + LM}{KN - LM} \right\} \quad (4)$$

where

$$K = \cos \alpha \cdot \sinh \gamma, \quad L = \sin \alpha \cdot \cosh \gamma,$$

$$M = \cos \beta \cdot \sin \delta - \cos \alpha \cdot \sinh \gamma, \quad N = \sin \beta \cdot \cosh \delta - \sin \alpha \cdot \cosh \gamma,$$

$$\alpha = n \arctan A/2, \quad \beta = (n+1) \cdot \arctan A/2,$$

$$\gamma = n \ln B, \quad \delta = (n+1) \ln B,$$

$$A = \sqrt{\frac{\omega^2 \tau^2}{2} + \frac{\omega \tau}{2} \sqrt{16 + \omega^2 \tau^2}},$$

$$B = \frac{\omega \tau + A}{2A} \sqrt{4 + A^2}, \quad \tau = RC.$$

Comparison of curves constructed from (3) and (4) for $\tau = 0.75 \times 10^{-5}$, with frequency responses determined by (1) shows that decrease of τ improves frequency-response curves in region of high frequency, and increase of n leads to their

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decrease in region of low frequency. For high frequency, where $\gamma \gg 3$, formulas (3) and (4) can be simplified considerably. Bibliography: 3 references.

SUB CODE: EC, MA

ENCL: 00

Card 4/4

NIGMATULLIN, R.Sh.; VYASELEV, M.R.

Oscillographic polarography with the use of stepwise voltage.
Zhur. anal. khim. 19 no.5:545-552 '64. (MIRA 17:8)

1. Kazanskiy aviatsionnyy institut.

L 41704-65 EWT(1)/EWT(m)/EEC(k)-2/T/EEC(b)-2/EJA(h) Pm-4/Pz-6/Peo IJP(c)
 ACCESSION NR: AR4039102 JD S/0274/64/000/003/A024/ A024 27
 E

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs. 34118

AUTHOR: Nigmatullin, R. Sh.

TITLE: Theory of transient processes in a circuit containing an electrochemical diode. 75

CITED SOURCE: Tr. Kazansk. aviats. in-ta, vyp. 73, 1963, 27-49

TOPIC TAGS: solion, transient process

TRANSLATION: Transients in solions are considered when the processes are describable by the laws of semi-infinite linear diffusion and when the migration forces can be accounted for by the bulk resistance of the solution. For the near-electrode region, a boundary diffusion problem is solved, and general relations connecting the boundary carrier concentrations and current with the applied voltage are found. Nonlinear integral equations describing the diffusion processes with an allowance for migration are set up; by their approximate solution, a transient response of a solion terminated by a resistance is found. Effects of the applied voltage, initial carrier concentration, micro- and macro-electrode area and other parameters upon the solion transient current and its time constant are

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determined. Methods are indicated for designing a solion working without initial bias in a specified region of its current-voltage characteristic; also a possibility of using the solion as a nonlinear filter is mentioned. Bibliography: 28 titles.

SUB CODE: EE, EC

ENCL: 00

MLL 2/2
Card

L 28302-66

ACC NR: AT6005740

SOURCE CODE: UR/2529/64/000/082/0034/0057

AUTHOR: Nigmatullin, R. Sh.

47
44
B+1

ORG: none

TITLE: Solion theory

SOURCE: Kazan. Aviatsonnyy institut. Trudy, no. 82, 1964. Radiotekhnika i elektronika (Radio engineering and electronics), 34-57

TOPIC TAGS: solion, solion theory, electrolytic cell, ion current, current density, electrolyte

ABSTRACT: The principle of operation of the solion is set forth. Transient and stationary currents in a solion caused by an arbitrary-shape emf are considered. Boundary conditions for the P. Delahey fundamental symmetrical-spherical-diffusion equations are established, and the connection between $i(t)$ and $E(t)$ is found by applying the H. Matsuda et al. method (Ztschr. f. Elektrochemie, Berichte, 1955, 59, pp. 494-503) for solving differential equations describing diffusion:

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L 28502-66

ACC NR: AT6005740

3

$$\frac{I(t)}{I_0} = \frac{\exp \bar{E}(t)}{U_1} \left[U_1 - \frac{d}{dt} \int_0^t F_1(t-\tau) I(\tau) d\tau \right] - \frac{\exp \bar{E}(t)}{U_2} \left[U_2 + \frac{d}{dt} \int_0^t F_2(t-\tau) I(\tau) d\tau \right], \text{ where:}$$

$$\bar{E} = \frac{\pi F}{RT} \epsilon; \quad \bar{E} = -\frac{\pi F}{RT} \beta; \quad U_1 = \pi F S C_1; \quad F_v(t) = \frac{a}{D_v} \left[1 - \exp(-a^2 D_v / a^2) \operatorname{erfc} \sqrt{a^2 D_v / a^2} \right] \quad (v=1,2)$$

As the above integral equation cannot be solved in a closed form, an electrical simulator of the equation is introduced. The simulator consisting of a semi-infinite RC-cable shunted by a resistor permits developing formulas for the transient and stationary I-V characteristics of the soliton. "In conclusion, the author wishes to thank Academician AN SSSR A. N. Frumkin, Corresponding Member of the AN SSSR V. G. Levich, and Prof. P. D. Lukovtsev for their attention to this work and valuable discussions." Orig. art. has: 6 figures and 97 formulas.

SUB CODE: 09 / SUBM DATE: 03Jul63 / ORIG REF: 018 / OTH REF: 012

Card 2/2 C1

L 60022-65 EWT(1)/EWT(m) JD
 ACCESSION NR: AR5002396

S/0271/64/000/010/B014/B014
 681.142.644.3

SOURCE: Ref. zh. Avtomat., telemekh. i vychisl. tekhn. Sv. t., Abs. 10B86

8
 3

AUTHOR: Nigmatullin, R. Sh.; Belavin, V. A.

TITLE: Electrolytic fraction-differentiating and integrating two-terminal network

CITED SOURCE: Tr. Kazansk. aviats. in-ta, vyp. 82, 1964, 58-66

TOPIC TAGS: electrolytic differentiator, electrolytic integrator

TRANSLATION: A possibility has been theoretically and experimentally proven of creating an electrochemical two-terminal network (a two-electrode cell) which would carry out differentiation or integration operation. Its passband (with an error of 20%) lies within 0.03--240 cps. The upper boundary frequency can be increased up to 1.6 kc by connecting in series an accurately calibrated resistor. The permissible amplitude of the converted voltage is 50 mv. The nonlinear distortion factor is 5% or less. The cell can be used for simulating heat-conductance processes, for fractional one-half order differentiation (integration), and also for shortening pulses.

SUB CODE: DP
 Card 1/1

ENCL: 00

NIGMATULLIN, T.G.

Mineral composition of the blood sera of cattle in the dynamics
of the paratubercular process. Trudy VIEV 26:107-114 '62.
(MIRA 16:2)

1. Laboratoriya biokhimi i polimerov Vsesoyuznogo instituta
eksperimental'noy veterinarii.
(Johne's disease) (Minerals in the body)

NIGMATULLINA, F.S.

Two cases of multiple polyposis of the gastrointestinal tract.
Sov. zdrav. Kir. no.6:47-48 N-D'62. (MIRA 16:6)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof.
A.N.Kruglov) i kafedry patologicheskoy anatomii (zav. - prof.
B.F.Malyshev).
(ALIMENTARY CANAL---TUMORS)

NIGMATULLINA, G.A.; SATTAROVA, A.S.; ZHAKHANOV, Kh.; NOVIKOVA, Ye.I.

Study of a gold bearing concentrate for the purpose of extracting
gold from it. Sbor. nauch. trudy Kaz GMI no.19:186-196 '60.
(MIRA 15:3)

(Gold) (Ore dressing)

USSR / Pharmacology and Toxicology--Medicinal Plants V-5

Abs Jour: Ref Zhur-Biol, No 23, 1958, 107347

Author: Nigmatullina, N. K.

Inst : Kirgiz Medical Institute

Title : The Effect of the White Nettle on the Contractile
Activity of the Uterus of Experimental Animals

Orig Pub: Tr. Kirg. med. in-t, 1957, 9, 77-79

Abstract: The white nettle, *Lamium album*, is widespread in eastern and western Siberia, the Caucasus, Central Asia, and the mountains of Kazakhstan. It has been used for a long time as a remedy in popular medicine in uterine and parenchymatous hemorrhages as an antihemorrhagic agent. Alcoholic and aqueous extract from the leaves and flowers of the nettle (N)

Card 1/2

20

NIGMATULLINA, N. K.

Cand Med Sci - (diss) "Pharmacology and application in obstetrical-gynecological practice of the white nettle grown in Kirgizia." Tashkent, 1961. 23 pp; 3 pp of illustrations; (Ministry of Public Health Uzbek SSR, Tashkent State Med Inst); 500 copies; price not given; (KL, 7-61 sup, 260)

BOBROVA, L.A., BIKTASHEVA, A.I., KAMENELINA, N.G.
red.: SINOFY, V.M. 1984, 25 p., red.

(Molecular chemistry of polymers) Abstracts
of lectures to students of the Institute of Molecular Chemistry
novye promyshlennye materialy i kolektsii v pomoshch'
uchiteliam khimii i fiziki v srednykh i vysshikh shkolakh
niia uchitelei 1984, 25 p., 18.11

NIGMEDZYANOV, M. N.

"Stilevye osobennosti muzykal'nogo fol'klora tatar-kryashen."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

NIGMETOVA, R.Sh.; KOZLOVSKIY, M.T.

Interaction between tetravalent and divalent germanium, and zinc
amalgam. Trudy Inst.khim.nauk AN Kazakh.SSR 6:144-151 '60.
(MIRA 14:4)

(Germanium)

(Zinc)

(Cementation (Metallurgy))

NIGMETOVA, R.Sh.

Electrochemical properties of germanium. Trudy Inst.khim.nauk AN
Kazakh.SSR 6:178-183 '60. (MIRA 14:4)
(Germanium)

S/081/62/000/017/029/102
B162/B101

AUTHORS: Nigmatova, R. Sh., Kozlovskiy, M. T.

TITLE: The reduction of germanium by zinc amalgam in the presence of copper

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 17, 1962, 98, abstract 17V78 (Izv. AN KazSSR. Ser. khim., no. 2(20), 1962, 38-41 [summary in Kaz.])

TEXT: In the reduction of Ge by Zn amalgam the presence of Cu ions in the solution has a great influence on the relation between the different products of reduction: increasing greatly the quantity of Ge, which is changing into amalgam, and lowering the quantity of suspended elementary Ge. Similar effect has the presence of Cu in amalgam when Ge is reduced on the Hg cathode. The reason of such an effect of Cu is its reaction with Ge under the formation of intermetallic compounds. [Abstracter's note: Complete translation.]

Card 1/1

S/850/62/009/000/010/012
B117/B186

AUTHORS: Kozlovskiy, M. T., Nigmatova, R. Sh.
TITLE: Germanium reduction in the presence of nickel and cobalt ions
SOURCE: Akademiya nauk Kazakhskoy SSR. Institut khimicheskikh nauk.
Trudy. v. 9. Alma-Ata, 1962. Elektrokhimiya rastvorov i
metallicheskikh sistem, 151-156

TEXT: The effect of nickel and cobalt on the behavior of germanium during its cementation with zinc amalgam was studied by a method described previously (Izv. AN KazSSR, ser. khim., 2(20) 38 (1962)). It was shown that the smallest amounts of nickel in the solution are sufficient to transfer germanium, except for a very small portion, into the amalgam. The potential of zinc amalgam remains practically unchanged. When the concentration of Ni in the solution is increased, germanium is reduced slowly but completely, nickel being cemented first of all. Simultaneously, the potential of zinc amalgam is slightly shifted toward positive values. The electrolysis of germanium salt with a mercury cathode in the presence of nickel ions, as well as on nickel amalgam, showed that nickel ions in

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Germanium reduction in the ...

S/850/62/009/000/010/012
B117/B186

the solution, not metallic nickel atoms are responsible for the transfer of germanium into the amalgam. No satisfactory explanation of the effect of nickel ions on the germanium reduction could be given. The cementation of germanium with saturated zinc amalgam in the presence of cobalt showed that here again the germanium is reduced down to the elementary state, forming amalgam. Cobalt ions affect the process similarly to nickel ions, the only difference being that germanium and cobalt are cemented more slowly when larger amounts of cobalt are used. There are 1 figure and 8 tables.

Card 2/2

KOZIN, L.F.; NIGMETOVA, R.Sh.

Thermodynamic properties of tin-mercury alloys. Zhur. neorg.
khim. 8 no.11:2556-2562 N '63. (MIRA 17:1)

NIGOF, B.

20 millionov passazhirov po Moskva-reke v 1938 godu. 20 million passengers on the Moskva river in 1938/. (Vodnyi transport, 1935, no. 6, p. 21-22; illus.).

DLC: HE561.B8

SO: Soviet Transportation and Communications. A Bibliography. Library of Congress, Reference Department, Washington, 1952, Unclassified.

NIGOF, B. A.

Social Sciences

Planirovanie sebestoimosti rechnykh perevozok. /Sysematization of the cost of river transport_/ Moskva, Rechizdat, 1951.

9. Monthly List of Russian Accessions, Library of Congress, August 195²~~8~~, Uncl.

NIGOF, B.A.; SHENFEL'D, S.D., redaktor; GLAZKOV, M.M., redaktor; KRASHAYA,
A.K., tekhnicheskii redaktor

[Business accounting for a river boat] Khoziaistvennyi raschet
rechnogo sudna. Moskva, Izd-vo Ministerstva rechnogo flota SSSR,
1952. 82 p. (MLRA 9:1)
(Inland water transportation--Accounts, bookkeeping, etc.)

GLAZKOV, M.M.; NIGOF, B.A.; SHARAPOV, N.I., redaktor; FEDIAYEVA, N.A.
redaktor; POPOV, N.D., tekhnicheskii redaktor

[Raising labor productivity in the transportation fleet] K voprosu
povysheniia proizvoditel'nosti truda na transportnom flote.
Moskva, Vodtransizdat, 1953. 58 p. (MLRA 7:8)
(Inland water transportation)

NIGOL, T.

Grain dryers in Estonia. p 329.

GAZ, WODA I TECHNIKA SANITARNA (Stowarzyszenie Naukowo-Techniczne
Inzynierow i Technikow Sanitarnych, Ogrzewnictwa i Gazownictwa)
Warszawa, Poland, Vol. 32, no. 6, June 1958.

Monthly list of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

MEELIK, Salme; NIGOLS, H., red.

[Medical care and social security in bourgeois Estonia:
Arstiabi ja sotsiaalkindlustusest kodanlikus Eestis.
Tallinn, Eesti Riiklik Kirjastus, 1964. 208 p. [In
Estonian] (MIRA 18:12;

NIGAM, V.

Contribution to the experimental criticism of the theories concerning germinal continuity and pure progeny. p. 97, (ACTA BIOLOGICA, Budapest, Hungary). Vol. 5, No. 1/2, 1954.

SC: Monthly List of East European Accessions, (SEAL) L3, Vol. 1, No. 5, May 1955, Uncl.

MYASHNIKOV, A.L., professor, redaktor; VISHNEVSKIY, A.A., professor; ~~CHERNIKOVSKIY, V.N.~~ professor; SHMIDT, Ye.V., professor, doktor meditsinskikh nauk; MIKHAYLOV, A.K., redaktor; SACHEVA, A.I., tekhnicheskii redaktor.

[Sleep therapy; transactions of the enlarged session of the Presidium of the Academy of Medical Sciences of the U.S.S.R. with participation of the Ryazan I.P. Pavlov Medical Institute on February 27-28, 1953] Lechenie snom. Trudy rasshirennogo sess-daniia prezidiuma Akademii meditsinskikh nauk SSSR s uchastiem Riazanskogo meditsinskogo instituta imeni I.P. Pavlova 27-28 fevralia 1953 g. Red. kollegiia: A.L. Miasnikov (otv.red.) i dr. Moskva, Gos. izd-vo meditsinskoi lit-ry, 1954. 217 p. (MLRA 7:12)

1. Deystvitel'nyy chlen AMN SSSR (for Myasnikov, Chernikovskiy). 2. Chlen-korrespondent AMN SSSR (for Vishnevskiy) 3. Akademiya meditsinskikh nauk SSSR, Moscow.
(Sleep--Therapeutic use)

RANNY, Mojmir, inz., C.Sc.; NIGRIN, Milos, inz.; PRACHAR, Josef

Alkylol amides of fat acids. Prum potravín 13 no.5:255-259
My '62.

1. Vyzkumny ustav tukoveho prumyslu, Rakovník.

*DUBSEK, Frantisek, inz. (Hradec Kralove); NIGRIL, Mojmir, inz. (Hradec Kralove); TOMES, Vaclav (Hradec Kralove)

Heat transmission circuit operating with liquid metal or salt mixture, for temperature air heating in power engineering enterprises. Energetika Cz 13 no.12:680 D '63.

NIGRIN, Zdenek

Production problems in processing protein raw materials in
carrion processing plants. Prum potravin 14 no.5:233 My '63.

1. Ceskomoravska-Kolben-Danek Chocen, n.p., Chocen.

S/564/61/003/000/020/029
D207/D304

AUTHORS: Barta, Ch., and Nigrinova, Ya. (Czechoslovak Socialist Republic)

TITLE: Synthesis of alkaline-earth metatitanate monocrystals by the Verneuil method

SOURCE: Akademiya nauk SSSR. Institut kristallografii. Rost kristallov, v. 3, 1961, 428-433

TEXT: The authors describe methods of preparing pure initial materials and producing from them BaTiO_3 , SrTiO_3 and CaTiO_3 monocrystals by the Verneuil method. These monocrystals, especially BaTiO_3 , have interesting and important dielectric, piezoelectric and other properties. A brief review of published Soviet and Western work is given. It is followed by a description of techniques for preparing monocrystals. The authors were not successful in using the Verneuil method to prepare CaTiO_3 monocrystals. There are 5 figures and 11 references: 3 Soviet-bloc and 8 non-Soviet-bloc.

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S/564/61/003/000/020/029
D207/D304

Synthesis of...

The 4 most recent references to the English-language publications read as follows: L. Merker, Trans. Amer. Inst. Mining Met. Engrs. Tech. Pub., 202, 4046H (Mining Engng., 7, no. 7, 645-8, 1955); Langtry, E. Lynd, L. Merker, US Pat. 2758911, 1956; W. S. Clabaugh, E. M. Swiggard, R. Gilschrift, J. Res. Nat. Bur. Standards, 58, 289-91, 1956; Cl. Kagan, US Pat. 2803519, 1957.

Card 2/2

NIGUL, L. L. Cand Agr Sci -- (diss) "Effect of various feeding methods upon the growth and development of young pigs." Tartu, 1959 28 pp with diagrams (Min of Agr of Estonian SSR. Estonian Sci Res Inst of Animal Husbandry and Vet Medicine), 150 copies (KL, 47-59, 116)

-360

NIGUL, Leo, kand. sel'khoz. nauk; AVARSOO, H., red.

[Rational swine farming] Ratsionaalne pörsakasvatus. Tallin,
Eesti Riiklik Kirjastus, 1963. 62 p. [In Estonian]
(MIRA 17:6)

YNOL, L. (Ainol, L.); NIGOL, U.

Stress waves in elastic plates and shells. Izv. AN Est. SSR.
Ser. fiz.-mat. i tekh. nauk 14 no.13-63 '65.

(MIRA 18:11)

1. Institut kibernetiki AN Estonskoy SSR.

KUTSER, M.; NIGUL, U.

Application of A.I. Lur'e's symbolic method to the dynamics of plates under strain symmetrical relative to the middle surface. Izv. AN Est. SSR. Ser. fiz.-mat. i tekhn. nauk 14 no.3:385-392 '65. (MIRA 18 11)

1. Institut kibernetiki AN Estonskoy SSR.

VEKSLER, N. (Tallin); MYANNIL', A.I. [Männil, A.] (Tallin);
NIGUL, U. (Tallin)

Using the method of lattices in a Timoshenko-type theory
for investigating transient wave processes of deformations of
finite-length plates. Prikl. mekh. 1 no.12:38-49 '65.

(MIRA 19:1)

1. Institut kibernetiki AN Estonskoy SSR. Submitted Jan. 4, 1965.

NIGUL', U. K.

NIGUL', U. K. "Investigation of the Stressed State of a Reinforced-concrete Cylindrical Casing in Terms of the Deformation of Diaphragms." Min Higher Education USSR. Tallin Polytechnic Inst. Chair of Structural Design. Tallin, 1956. (Dissertation for the Degree of Candidate in Technical Science)

So: Knizhnaya Letopis', No. 19, 1956.

SOV/124-58-7-7877

Translation from Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 82 (USSR)

AUTHOR Nigul, U K

TITLE On the Calculation of Open Circular Cylindrical Shells in Terms of Normalized Trigonometric Series (O raschete otkrytykh kruglovykh tsilindricheskikh obolochek v poperechnykh trigonometricheskikh ryadakh)

PERIODICAL Tr. Tallinsk. politekhn in-ta, 1956, Vol A, Nr 82, pp 71-82

ABSTRACT. For a short open circular cylindrical shell, all of whose edges are hinge-supported, formulae are written for the stresses and strains caused by displacements of its curvilinear edges and by the effect of symmetrically distributed tangential and normal loads. The solutions are obtained in two versions 1) by starting with the equation for the large variability exponents of the stress distribution

$$\frac{\delta^2}{12 R^2 (1 - \mu^2)} \Delta \Delta \Delta \Delta \varphi + \frac{\partial^4 \varphi}{\partial \xi^4} = 0$$

Card 1/2 wherein δ is the shell thickness, R its radius, μ the Poisson

SOV/124-58-7-7877

On the Calculation of Open Circular Cylindrical Shells (cont.)

ratio, ξ and φ dimensionless coordinates, and Δ the Laplace operator; and
2) by starting the the equation of the semimomentfree theory of V. Z. Vlasov.
In both cases the potential function is sought in the form of an expansion into
a trigonometric series with respect to the variable φ (a normalized series).
The Poisson ratio μ is assumed to equal zero.

L. M. Kurshin

1. Cylindrical shells--Mathematical analysis

Card 2/2

VIGULYUK

Report presented at the 1st All-Union Congress of Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb '60.

201. A. A. Kabanov (Moscow). An experimental study of the law governing the stability of a cylindrical shell under the action of a uniform pressure.
202. A. A. Kabanov (Moscow). Variational methods in the theory of elasticity.
203. A. A. Kabanov (Moscow). The stability of systems of solids - Lagrange's theorem for solids and its inversion.
204. A. A. Kabanov (Moscow). Asymptotic approximation of a circular cylindrical shell.
205. A. A. Kabanov (Moscow). On the equilibrium of the solution of the problem of large deflections of a circular plate under relatively symmetric loading.
206. A. A. Kabanov (Moscow). The determination of the deformation of trusses without diagrams.
207. A. A. Kabanov (Moscow). A theory of stability of thin plates and shells.
208. A. A. Kabanov (Moscow). Some problems in the theory of stability.
209. A. A. Kabanov (Moscow). Directions of elastic stability of cylindrical shells under nonuniformly applied loading.
210. A. A. Kabanov (Moscow). Some asymptotic equations of motion for cylindrical shells.
211. A. A. Kabanov (Moscow). Approximate treatment of cylindrical shells under nonuniform loading.
212. A. A. Kabanov (Moscow). Radiating vibrations of plates at the level of their supporting foundations.
213. A. A. Kabanov (Moscow). Some dynamical problems of stability.
214. A. A. Kabanov (Moscow). Investigation of the dynamic behavior of elastic, piezoelectric materials in vibrations.
215. A. A. Kabanov (Moscow). Problems of the theory of the stability of a system of elastic bodies.
216. A. A. Kabanov (Moscow). The stability of a system of elastic bodies.
217. A. A. Kabanov (Moscow). Complete investigation of a new structure.
218. A. A. Kabanov (Moscow). The method of asymptotic and its applications.
219. A. A. Kabanov (Moscow). Non-dimensional problems in the theory of stability of non-homogeneous and anisotropic media.
220. A. A. Kabanov (Moscow). The state of stress in a deformed curved bar.
221. A. A. Kabanov (Moscow). A nonlinear theory for a curved bar.
222. A. A. Kabanov (Moscow). Creep, elastic properties and stability of plastic materials.
223. A. A. Kabanov (Moscow). A practical method of designing reinforced concrete structures with reference to creep.
224. A. A. Kabanov (Moscow). The problem of structural damping.
225. A. A. Kabanov (Moscow). An approximate method for solving problems of stability.
226. A. A. Kabanov (Moscow). Application of the theory of stability to the problem of stability of a curved bar.
227. A. A. Kabanov (Moscow). On the asymptotic problem in the theory of elasticity.
228. A. A. Kabanov (Moscow). A method for studying the plane field of plasticity.
229. A. A. Kabanov (Moscow). The application of some new methods of the theory of integral equations to the solution of problems of the theory of stability.
230. A. A. Kabanov (Moscow). Free and forced vibrations of a curved bar.
231. A. A. Kabanov (Moscow). Investigation and calculation of the stability of a curved bar.
232. A. A. Kabanov (Moscow). The stability of a curved bar.
233. A. A. Kabanov (Moscow). The stability of a curved bar.

S/044/61/000/010/030/051
C111/C222

AUTHOR: Nigul, U.K.

TITLE: Linear equations free of hypotheses of the dynamics of an elastic shell of a circular cylinder

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1961, 59-60, abstract 10 B 271. ("Tr. Tallinsk. politekhn. in-ta", 1960. A, no. 176, 68 p., illustrated)

TEXT: Without the usual hypotheses (on the perpendicularity of the normal to the middle surface) the author develops a theory of improved static and dynamic equations of shells of circular cylinders. The shell is understood as a three-dimensional region in which the shifts and tensions are approximated by a Taylor series in terms of the normal coordinate. The system of characteristic equations becomes hyperbolic if in the series an odd number of terms is considered. The author investigates the influence of the correctures appearing by the consideration of the tensions σ_{13} , σ_{12} and σ_{33} ; an analysis of the results of

other authors is carried out.

[Abstracter's note : Complete translation.]

Card 1/1

NIGUL, U.K. (Tallin)

Asymptotic theory of the statics and dynamics of elastic circular
cylindrical shells. Prikl. mat. i mekh. 26 no.5:923-930
S-O '62. (MIRA 15:9)

(Elastic plates and shells)

NIGUL, U.K. (Tallin)

Use of A.I. Lur'e's symbolical method in analyzing the stressed
states and two-dimensional theories of elastic plates. Prikl.
mat. i mekh. 27 no.3:583-588 My-Je '63. (MIRA 16:6)

(Elastic plates and shells)

NIGUL, U., kand.tekhn.nauk

Use of A.I.Lur'e's symbolic method in the three-dimensional theory
of the dynamics of elastic plates. Izv. AN Est. SSR. Ser. fiz.-mat.
i tekhn. nauk 12 no.2:146-155 '63. (MIRA 16:10)

1. Academy of Sciences of the Estonian S.S.R., Institute of Cybernetics.

MYANNIL, A. [Mannil, A.]; NIGUL, U., kand. tekhn. nauk

Stressed states of an elastic plate during the propagation of
sinusoidal bending waves. Izv. AN Est. SSR. Ser. fiz.-mat. 1
tekhn. nauk 12 no.3:273-283 '63. (MIRA 16:11)

1. Academy of Sciences of the Estonian S.S.R., Institute of
Cybernetics.

NIGUL, U., kand. tekhn. nauk

Roots of Lamb's equation describing the deformation of a plate antisymmetric relative to its middle surface. Izv. AN Est. SSR. Ser. fiz.-mat. i tekhn. nauk 12 no.3:284-294 '63. (MIRA 16:11)

1. Academy of Sciences of the Estonian S.S.R., Institute of Cybernetics.

NIGUL, U. (Tallin)

Application of the three-dimensional theory of elasticity to the analysis of the wave process of bending of a semi-infinite plate under a short-term edge load. Prikl. mat. i mekh. 27 no.6:1044-1056 N-D '63.
(MIRA 17:1)

NIGUL, U.K. (Tallin)

"An analysis of transient bending waves in a semi-infinite plate on the basis of the three-dimensional theory of elasticity"

Report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow 29 Jan - 5 Feb 64.

L 53784-65 EWT(d)/EWT(m)/EWP(w)/EWA(d)/EWP(v)/EPR/T-2/EWP(k)/EWA(h) Pt-4/Feb
ACCESSION NR: 5015744 WH/EM UR/0023/65/000/001/0003/0063

AUTHOR: Ainola, L. (Aynola, L.); Nigul, U.

TITLE: Strain-wave processes in elastic plates and shells

SOURCE: AN EstSSR. Izvestiya. Sariiya fiziko-matematicheskikh i tekhnicheskikh nauk, no. 1, 1965, 3-63

TOPIC TAGS: wave mechanics, flat plate, shell structure, solid dynamics

ABSTRACT: The development of the linear theory of wave propagation in elastic solids caused either by quick variations or movements of the loading is reviewed on a worldwide scale with emphasis placed on the transient processes of wave propagation in plates and shells.

The methods (analytical and energetic) of reducing three-dimensional problems to two-dimensional problems of constructing analytical design models and approximate theories of plates and shells, as well as of deriving the approximate equations for motions of elastic plates, and of cylindrical and spherical shells are critically discussed.

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The use of methods of integration in treating problems associated with wave processes (Fourier method, method of integral transformations, and others), the role of modes in the theory of steady and unsteady vibrations, and the modes of asymmetrical and symmetrical deformation of plates and shells are critically reviewed. 2

Works on particular problems of transient wave processes, and the use of approximate theories in dynamic stress analysis of plates and shells (elementary theories of compression-tension and torsion, of flexure, the Timoshenko-type theory), as well as the use of three-dimensional theory, are surveyed. The few publications on less thoroughly investigated (only by means of two-dimensional theories) unsteady wave processes in circular cylindrical and spherical shells and associated problems (for example, the action of shock waves upon plates and also cylindrical and spherical shells) are briefly discussed. 21.

At the end, the authors formulate and discuss basic problems in the dynamics of plates and shells which have to be dealt with in the future: 1) to discover the types of possible elementary dynamic states of stress and

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2
to construct approximate equations (models) for describing these states with a certain degree of accuracy; 2) to develop methods for resolving the dynamic state of stress into elementary states when solving particular problems (that is, states related to loading, to certain properties of the object, et cetera); and 3) to develop the existing methods and to work out new methods of integrating the approximate equations which describe these states of stress.

2
The implementation of computer techniques will probably permit studying problems associated with transient wave processes in shells by using the equations of the three-dimensional theory and solving them on high-speed computers (that is, by the method of finite differences). The authors state in a footnote that such problems have been solved recently at the Institute of Cybernetics of the Estonian Academy of Sciences, by the method of three-dimensional nets. The reader is reminded that even the static problems analogous to (1), (2), and (3) are completely solved only for

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the simplest objects within the bounds of the Kirchhoff-Love theory, and that dynamical problems have to be treated on the basis of three-dimensional theory, although their initial investigation by means of the approximate theories deserves a great deal of attention.

The present state of the investigation of each of the three problems is discussed in detail. The accuracy and applicability of approximate theories should be improved, and it would be expedient to concentrate more attention on the analysis and application of derived equations than on their construction.

Some dynamic problems of a general character which have to be studied (for example, the effects of absorption and dissipation of energy on wave propagation in elastic plates and shells, the mathematical simulation of physical boundary conditions and of real loading, the use of the Saint-Venant principle in the dynamic theory of elasticity, and the study of the effect of deformation of the construction bordering the shell) are mentioned and ways for solving them are indicated.

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The writing of this review was suggested by N. A. Alamyae, who rendered invaluable help in carrying out this task.

This survey is based on 357 Soviet and non-Soviet bibliographic entries on the linear theory of elastic stress waves in plates and shells. Orig. art. has: 17 graphs, 21 formulas, 1 figure.

ASSOCIATION: Institut kibernetiki Akademii nauk Estonskoy SSR (Institute of Cybernetics, Academy of Sciences, Estonian SSR)

SUBMITTED: 29Aug64

ENCL: 00

SUB CODE: AS, ME

NO REF SOV: 090

OTHER: 267

ATD PRESS: 4020-F

Card 5/5

NIGUL, U.

Methods and results of the analysis of transient bending
waves in an elastic plate. Izv. AN Est. SSR. Ser. fiz.-mat. i tekhn.
nauk 14 no.3:345-384 '65. (MIRA 18:11)

1. Institut kibernetiki AN Estonskoy SSR.

ACC NR: AP6011131

SOURCE CODE: UR/0424/66/000/001/0074/0080

AUTHORS: Veksler, N. D. (Tallin); Nigul, U. K. (Tallin)

ORG: none

TITLE: The theory of wave processes in the axially symmetric deformation of spherical shells

SOURCE: Inzhenernyy zhurnal. Mekhanika tverdogo tela, no. 1, 1966, 74-80

TOPIC TAGS: solid mechanics, stress distribution, spheric shell structure, elastic deformation, Laplace transform

ABSTRACT: The intermediate wave process as in the deformation of spherical shells when the shell is subjected to sudden loading at its poles is analyzed. The Timoshenko-type equations of motion

$$\begin{aligned} & [k^{-2}(\partial_\phi^2 + \operatorname{ctg} \varphi \partial_\tau - \operatorname{ctg}^2 \varphi - \nu) - 1 + (1 + a^2) \partial_\tau^2] u + (1 - 2a^2 \partial_\tau^2) \psi + \\ & + [1 + k^{-2}(1 + \nu)] \partial_\sigma w = 0 \\ & (1 - 2a^2 \partial_\tau^2) u + [k^{-2} a^2 (\partial_\phi^2 + \operatorname{ctg} \varphi \partial_\tau - \operatorname{ctg}^2 \varphi - \nu) - \\ & - 1 - a^2 \partial_\tau^2] \psi - \partial_\sigma w = 0 \\ & [1 + k^{-2}(1 + \nu)] (\partial_\sigma + \operatorname{ctg} \varphi) u - (\partial_\sigma + \operatorname{ctg} \varphi) \psi + [- (\partial_\phi^2 + \operatorname{ctg} \varphi \partial_\tau) + \\ & + (1 + a^2) \partial_\tau^2 + 2k^{-2}(1 + \nu)] w = 0 \end{aligned}$$

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I 39806-6b

ACC NR: AP6011131

are Laplace-transformed to give the algebraic equations

$$\begin{aligned} & [k^{-2}(-y+1-v) - 1 - (1+a^2)s^2]u^L + (1-2a^2s^2)\psi^L + \\ & \quad + [1+k^{-2}(1+v)]w^L = 0 \\ & (1-2a^2s^2)u^L + [k^{-2}a^2(-y+1-v) - 1 - a^2s^2]\psi^L - w^L = 0 \\ & y[1+k^{-2}(1+v)]u^L - y\psi^L - [y + (1+a^2)s^2 + 2k^{-2}(1+v)]w^L = 0 \end{aligned}$$

For $s \rightarrow \infty$, the method of inverse contour integration is used to study the wave processes at the propagation front. This asymptotic analysis yields expressions for the stress distribution on the shock front. These results are applied to the case of a spherical shell with a uniform load applied suddenly at the poles. Numerical results are obtained and compared with the axially symmetric wave processes in a slab. The authors thank M. Peterson for programming and carrying out the numerical calculation on the ETsVM Minsk-2. Orig. art. has: 35 equations and 2 figures.

SUB CODE: 20/ SUBM DATE: 20Apr65/ ORIG REF: 005/ OTH REF: 004

Card 2/2114P

L 25993-66

ACC NR: AP6012556

SOURCE CODE: UR/0040/66/030/002/0375/0378

AUTHORS: Myannil, A. I. (Tallin); Nigul, U. K. (Tallin)

ORG: none

TITLE: Comparative results of the lattice method and the method of steepest descent in the analysis of transient wave processes in slab deformation

SOURCE: Prikladnaya matematika i mekhanika, v. 30, no. 2, 1966, 375-378

TOPIC TAGS: elastic deformation, wave propagation, numerical method, Laplace transform, approximation method, integration

ABSTRACT: Three different approximate integration methods are compared with each other in the solution of a Timoshenko problem of the type

$$[(\partial_t^2 - \partial_x^2)W - \partial_t \psi = 0, \quad 2\partial_t W + (k^2 \partial_t^2 - \partial_x^2 - \partial_t^2)\psi = 0].$$

The physical problem is that of a deformation wave process in a semi-infinite slab subjected to a suddenly applied uniform moment at the slab edge. The boundary conditions of the problem are of the form

$$M^0(0, \tau) = \frac{2C}{5-3\nu} H(\tau), \quad W(0, \tau) = 0, \quad C = \text{const}$$

$$\nu = 0.3, k^2 = 0.860, C = 1.$$

The above equations are Laplace transformed and their solutions written in the form

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where

$$W^L = C \sum_{j=1}^2 B_{Wj} e^{-\lambda_j^L}, \quad \psi^L = C \sum_{j=1}^2 B_{\psi j} e^{-\lambda_j^L},$$

$$B_{Wj} = -\frac{(-1)^j}{s(\lambda_j^L - \lambda_0^L)}, \quad B_{\psi j} = \frac{(-1)^j (s^2 - \lambda_j^L)}{s \lambda_j^L (\lambda_j^L - \lambda_0^L)}$$

$$\lambda_j = \left(\frac{s^2}{2} \left[(1+k^2) \pm (1-k^2) \left(1 - \frac{12k^2}{s^2(1-k^2)} \right)^{1/2} \right] \right)^{1/2} \quad (j=1, 2).$$

The three methods for the approximate solution of these equations are: a) the method of steepest descents; b) an expansion of the transformed equations in negative whole powers of the Laplace transform parameter s , and c) an improved lattice-point or grid method. Results are obtained for the displacement W , bending moment M , and the transverse load Q , using all three methods. These results show that methods (a) and (c) give increasingly close values for M and Q as the time T increases. Agreement in W between methods (a) and (c) are good only for very long times. It is then concluded that the relatively new method (c) is quite reliable. Orig. art. has: 12 equations and 1 figure.

SUB CODE: 20, 12/ SUBM DATE: 02Jul65/ ORIG REF: 005/ OTH REF: 001

Card 2/2

RUM/NIA/Optics - Luminescence

K-6

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 6751

Author : Mihail C., Kascior C., Pop V.
Inst : University Al. I. Cuza, Rumania
Title : Fluorescence Spectra of Kerosenes

Orig Pub : An. stiint. Univ. Iasi., 1956, Sec. 1, 2, No 1-2, 199-210

Abstract : Four grades of kerosenes were investigated. In three-minute photography on the E31 Hilger spectrograph there was observed fluorescence in the region of 3200-4600 Å. The glow in the region of the wave lengths longer than 3700 Å, due to the presence of polycyclic compounds (principally anthracene) is observed in kerosenes that were distilled to high temperatures. Kerosene distilled to 272° C practically does not glow in this region. When the kerosenes are diluted in ether, the fluorescence in the region of wavelengths greater than 3700 Å vanishes rapidly. But at the same time there appears and also vanishes a glow in the region $\lambda < 3200$ Å. At greater dilutions, one observes only the fluorescence in the region 3200-3700 Å.

Card : 1/2

NIILISK, Helgi

New radiation nomogram. Izv AN Est SSR Ser fiz-mat i tekhnauk
no.4:329-339 '61.

1. Academy of Sciences of the Estonian S.S.R., Institute of
Physics and Astronomy.

NIINE, A.

Planting systems in landscaping and the possibilities of their applications
in Estonia. p. 216.

TOIMETISED. BIOLOOGILINE SERRIA. IZVESTIJA. SERRIA BIOLOGICHESKAIJA.
(Eesti NSV Teaduste Akadeemia) Tallinn, Estonia. Vol. 8, no. 2, 1969.

Monthly list of East European Accessions (EEIA) V ol. 9, no. 1, Jan 1960.

Uncl.

VESKI, Vello; NIINE, Aleksander; VCOL, K., red.; SEPP, A., tekhn. red.

[Decorative trees and shrubs] Ilupuud ja -poosad. Tallinn,
Eesti riiklik kirjastus, 1961. 359 p. (MIRA 15:5)
(Plants, Ornamental)

KUMARI, E., glav. red.; EILART, J., red.; HANG, E., red.; NIINE, A., red.; VAREP, E., red.; TOOMSALU, E., red.

[Protection and planning of landscapes in the Estonian S.S.R.; reports] Maastike kaitsest ja planeerimisest Eesti NSV-s ; ettekanded. Tartu, Eesti NSV Teaduste Akadeemia, 1964. 151 p. [In Estonian] (MIRA 18:7)

1. Nõupidamine maastike kaitse ja planeerimise küsimistes. Tallinn, 1961.

NIIRI, I.; LENGEL', Z.L.

Effect of phenylacetic acid and sunflower oil on penicillin biosynthesis. Antibiotiki 10 no.5:396-401 My '65.

(MIRA 18:6)

1. Farmatsevticheskiy zavod "Bilogal", Debretsen, Vengriya.

NIJAKOWSKI, Feliks

Studies on the content of riboflavin in the blood and tissues
and its relation to the type of physical work. Pol. tyg. lek.
17 no.47:1817-1820 19 0 '62.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej AM w Poznaniu;
kierownik: prof. dr A. Horst i z Zakladu Sportow Roznych Wyzszej
Szkoły Wychowania Fizycznego w Poznaniu.
(RIBOFLAVIN) (EXERTION)

BAILECKI, Mieczyslaw; NIJAKOWSKI, Feliks

The influence of physical effort on the behavior of tissue
and blood thiamine. Acta physiol. Pol. 15 no.2:229-235
Mr-Ap '64.

1. Zakładu Patologii Ogólnej i Doswiadczalnej Akademii Medycznej
w Poznaniu (Kierownik: prof. dr A. Horst) i z Zakładu Teorii i
Metodyki Sportow Roznych Wyzszej Szkoły Wychowania Fizycznego
w Poznaniu (Kierownik: dr F. Nijakowski).

BIALECKI, Mieczyslaw; NIJAKOWSKI, Feliks

Tissue and blood saturation with biotin in relation to the type of muscular work. Acta physiol. Pol. 16 no.3:401-405 My-Je '65.

1. Zaklad Patologii Ogolnej i Doswiadczalnej AM w Poznaniu (Kierownik: prof. dr. A. Horst) i Zaklad Teorii i Metodyki Sprotow Roznych WSWF w Poznaniu (Kurator Katedry: prof. dr. B. Kielczewski).

TIPEY, N.[Tipei, N.]; KONSTANTINESKU, V.N.[Constantinescu, V.N.];
NIKA, AL.[Nica, AL.]; BITSE, Ol'ga [Bita, O.]

[Sliding bearings; their design and lubrication] Pod-
shipniki skol'zhenia; raschet, proektirovanie, smazka.
Bucharest, Izd-vo Akad. Rubynskoi Narodnoi Respubliki, 1964.
457 p. Translated from the Rumanian. (MIRA 17:8)

NIKA, Endre

Selections from the physicochemical lectures of the 1961
IMEKO conference. *Meres automat* 10 no.11/12:364-366 '62.

1. *Méresteknikai Kozponti Kutató Laboratorium tudományos
munkatársa.*

NIKA, Endre

Measuring pH in the food industry. Elelm ipar 18 no.8/9:284-287
Ag-S '64.

1. Central Research Laboratory of Measuring Technique, Budapest.

NIKA, G.A.; KAKHANA, M.S.

The "pessimal" character of the effect of high and low temperatures
on the central nervous system. Uch. zap. Kish. un. 13:69-83 '54.
(MLRA 9:10)

(TEMPERATURE--PHYSIOLOGICAL EFFECT) (NERVOUS SYSTEM)

NIKA, G.A.

USSR/Human and Animal Physiology - Nervous System.

V-12

Abs Jour : Ref Zhur - Biol., No 1, 1958, 4449

Author : G.A. Nika

Inst : Institute of Kishinev University

Title : Biopotentials of the Optical Area of the Cerebral Cortex of Dogs in Ontogenesis.

Orig Pub : Uch. zap. Kishinevsk. un-ta, 1956, 23, No 2, 103-110

Abstract : For several hours after a dog is born, the electroactivity in the cortical region of the visual analyzer (registered by electrodes) is only slight. During the first day groups of waves with 10-12 oscillations per second develop along with waves of 20-24 oscillations per second, 3-4 μ v. On the 5-8th day the waves with 20-24 oscillations per second reach 8 - 18 - 30 μ v, while the waves with 20 - 24 oscillations per second reach 10 -

Card 1/2

MIKA, G.A., Cand Biol Sci — (diss) "Data on the physiology of conditioned reflexes and experimental neuroses in dogs in ontogenesis." Kishinev, 1955. 16 pp (List of Higher and Secondary ^{Specialized} Education USSR. Kishinev State U). 120 copies. List of available titles at end of text (11 titles) (UL, 24-52, 115)

NIKA, G.A.

Characteristics of conditioned salivation reflexes in the ontogenesis on puppies. Uch. zap. Kish. un. 39:29-40 '59.

(MIRA 14:9)

1. Iz kafedry fiziologii cheloveka i zhivotnykh Kishinevskogo gosuniversiteta.

(CONDITIONED RESPONSE)

NIKA, G.A.

Experimental disorders in the higher nervous activity of dogs in
ontogenesis. Uch. zap. Kish. un. 39:41-73 '59. (MIRA 14:9)

1. Iz kafedry fiziologii cheloveka i zhivotnykh Kishinevskogo
universiteta.

(CONDITIONED RESPONSE)

USSR / Farm Animals. Sheep and Goats.

Q-3

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 64473

Author : Nika, T.; Dermenzhi, B.

Inst : Not given

Title : The Tsigay Breed of Mountain Type Sheep in Rumania and Its Importance for the Improvement of the Coarse-Wool Sheep in the Mountain Regions.

Orig Pub : Mezhdunar. s.- kh. zh., 1957, No. 2, 98-106.

Abstract : Brief characteristics (origin, exterior, wool, meat and milk production, habitat) of the mountain Tsigay sheep in Rumania are given.

Card 1/1

NIKA, Ye.Ye.

Morphology of the pollen of some leguminous honey plants.

Uch. zap. Kish. un. 13:183-196 '54.

(MLRA 9:10)

(Moldavia--Legumes) (Pollen)

MIRKOVIC, Aleksandar; MIRJANIC, Nikola; NIKAC, Uros

Contribution to the problem of hypofibrinogenemia in labor.
Srpski arh. celok. lek. 90 no.10:955-988 0 '62.

1. Ginekolosko-akuserska klinika Medicinskog fakulteta Univerziteta u Beogradu Upravnik: prof. dr. Bosiljka Milosevic.
(BLOOD COAGULATION DISORDERS)
(HEMORRHAGE, POSTPARTUM)

NIKADAMBAYEV, S.Yu.

New transplantable strain of experiment
of a rabbit. Trudy Inst. krasn. eksper. . . . 80
'63.

KONDAKOV, Konstantin Gavrilovich; NIKADIMOV, F.D., otv. red.;
OKHLOPKOV, Ye.D., red.; SOLOV'YEVA, Ye.P., tekhn. red.

[Development and distribution trends in industry in the
Yakut A.S.S.R.] O napravleniakh razvitiia i razmeshchenia
promyshlennosti Iakutskoi ASSR, Iakutsk, Iakutskoe knizh-
noe izd-vo, 1962. 143 p. (MIRA 16:12)
(Yakutia--Industries)

NIKANCHIKOVA, Ye. A., Cand Tech Sci -- (diss) "Study of ^{the resolution} ~~absolutory~~ and ^{the} ~~yielding~~ capacity of offset ^{the} ~~printing when used~~ for the reproduction of ^{the} ~~text~~ together with illustrations." Mos, 1958. 15 pp with illa (Min of Higher Education USSR, Mos Polygraphic Inst), 150 copies (KL, 18-58, 99)

NIKANCHYK, O.K., kand.med.nauk

On the threshold of maturity. Rab. 1 sial. 39 no.8:20-21 Ag
'63. (MIRA 16:9)

SLAVYANSKIY, Aleksey Konstantinovich, prof.; SHARKOV, Vasilii
Ivanovich, prof.; LIVEROVSKIY, Aleksey Alekseyevich, dots.;
BUYEVSKOY, Anatoliy Vasil'yevich, dots.; MEDNIKOV, Fedor
Alekseyevich, dots.; LYAMIN, Vladimir Aleksandrovich, dots.;
SOLODKIY, Fedor Timofeyevich, dots.; TSATSKA, Elio Mat'-
Iudovich, dots.; DMITRIYEVA, Ol'ga Andreyevna, assistant;
NIKANDOROV, Boris Fedorovich, inzh.; GORDON, L.V., kand.
tekhn. nauk, retsenzent; SUKHANOVSKIY, S.I., red.; KHOT'KOVA,
Ye.S., red.izd-va; SHIBKOVA, R.Ye., tekhn. red.

[Chemical technology of wood] Khimicheskaya tekhnologiya dre-
vesiny. Moskva, Goslesbumizdat, 1962. 574 p. (MIRA 16:4)
(Wood--Chemistry)

NIKANDROV, A.M.

~~NIKANDROV, A.M.~~
Problem of angiomae of the tongue. Stomatologia no.5:33-35
S-O '55. (MLRA 9:2)

1. Iz fakul'tetskoy khyrurgicheskoy kliniki (zav.-prof. A.I. Manuylov) Omskogo meditsinskogo instituta imeni M.I. Kalinina.
(TONGUE, neoplasms,
angioma)
(ANGIOMA,
tongue)

NIKANDROV, A.M.

Use of free combined (bone-tissue) transplant for repair of defects of the mandible. Stomatologiya 40 no.2:50-53 Mr-Apr '61.

(MIRA 14:5)

1. Iz kursa khirurgicheskoy stomatologii i kafedry fakul'tetskoy khirurgii (zav. - prof. A.I.Maquylov) Omskogo meditsinskogo instituta imeni M.I.Kalinina (dir. - prof. I.S.Novitskiy).

(BONE GRAFTING)

(JAWS—SURGERY)

BASHKATOV, T.V.; ZEL'DOVICH, G.N.; NIKANDROV, A.P.

Economic analysis of the prospects for the development of the
synthetic rubber industry. Zhur.VKHO 9 no.1:65-70 '64.

(MIRA 17:3)

NIKANDROV, A.M.

Use of a free bone and tissue graft for the repair of mandibular defects in children and adolescents. Stomatologiya 43 no.1: 93-94. Ja-F'64. (MIRA 17:4)

1. Kafedra khirurgicheskoy stomatologii (zav. - A.M. Nikandrov) Omskogo meditsinskogo instituta imeni M.I.Kalinina.

NIKANDROV, B.F.

Experiment in the application of the gas-liquid chromatography of
furfurol in pyrolyzate. Gidroliz. i lesokhim.prom. 16 no.3:19-20
'63. (MIRA 16:5)

1. Leningradskaya lesotekhnicheskaya akademiya im. S.M.Kirova.
(Gas chromatography) (Furaldehyde)

NIKANDROV, B. I.

29797

Stroitel'stvo zhivotnovodchyeckikh Postroyek 7 kolkhovakh. Izv. zhivotnovodstva, 1967,
No. 5, S. 64-67

SO: LFTOPIC NO. 40

ANDREW, D. T.

ANDREW, D. T.

Revue de statistique agricole. Warszawa, Pomorskie W. 1951. 150 p. [Buildings in State Agricultural Machine-tractor stations; a Manual]

30: Monthly List of East European Accessions, Library of Congress, Vol. 10, No. 10 October 1953. Unclassified.

ANKHIPOV, P.P., inzhener; IVANOV, Ye.D., inzhener; KRYLOV, N.V., inzhener-arkhitektor; MIKANDROV, B.I., inzhener-arkhitektor; NOSKOV, B.G., inzhener-arkhitektor; NYASTSEV, M.N., vetvrach; SOKHRANICHEV, N.S., inzhener-arkhitektor; TSIBUL'SKIY, L.A., kandidat sel'skokhozyaystvennykh nauk; PIOTROVSKIY, M.I., inzhener, retsentsent; VOL'FOVSKAYA, V.N., redaktor; FEDOTOVA, A.F., tekhnicheskiiy redaktor.

[Handbook on the construction of farm buildings] Spravochnik po sel'skokhoziaistvennomu stroitel'stvu. Moskva, Gos. izd-vo selkhoz. lit-ry.
Vol. 2. 1952. 579 p. (MLBA 8:2)
(Farm buildings) (Building)

NIKANDROV, B.

Economical buildings for stockbreeding. Sel'stroi. 15 no.1:19-20
Ja '60. (MIRA 15:7)

1. Direktor Vsesoyuznogo gosudarstvennogo instituta po
proyektirovaniyu promyshlennykh zdaniy i sooruzheniy sel'skogo
khozyaystva Ministerstva sel'skogo khozyaystva SSSR.
(Farm buildings)
(Stock and stockbreeding)

NIKANDROV, B.

Dairy Barns

Standard plan of four-row cowsheds. Sel'. stroi. no 3 1952

9. Monthly List of Russian Accessions, Library of Congress, August 195~~6~~⁸, 2Uncl.

1. NIKANDROV, B. [1.]
2. USSR (600)
4. Farm Buildings
7. New plans for livestock buildings, Sel'.stroï. 8 no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

NIKANDROV, B.I.

BEREDIKTOV, I.A., redaktor; GRITSSENKO, A.V., redaktor; IL'IN, M.A., zamestitel' glavnogo redaktora, LAPTEV, I.D., LISKUN, Ye.F.; LOBANOV, P.P., glavnyy redaktor; LYSSENKO, T.D.; SKRYABIN, K.I.; STOLETOV, V.H.; PAVLOV, O.I., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SOKOLOV, N.S., professor, nauchnyy redaktor; ANTIPOV-KARATAYEV, I.N., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KARPINSKIY, M.F., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SHESTAKOV, A.G., doktor sel'skokhozyaystvennykh nauk, professor, nauchnyy redaktor; RUBIN, B.A., doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KOMARNITSKIY, N.A., dotsent, nauchnyy redaktor; LYSENKO, T.D., akademik, nauchnyy redaktor; POLYAKOV, I.M., professor, nauchnyy redaktor; SHCHEGOLEV, V.N., doktor sel'skokhozyaystvennykh nauk, professor, nauchnyy redaktor; YAKUSHKIN, I.V., akademik, nauchnyy redaktor; LARIN, I.V., professor, doktor biologicheskikh nauk, nauchnyy redaktor; SMELOV, S.P., professor, doktor biologicheskikh nauk, nauchnyy redaktor; EDL'SHTEYN, V.I., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; SHCHERBACHEV, D.M., professor, doktor meditsinskikh nauk, nauchnyy redaktor; OGOLEVETS, G.S., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor; YAKOVLEV, P.N., akademik, nauchnyy redaktor; YEKIMOV, V.P., agronom, nauchnyy redaktor [deceased], EYTINGER, G.P., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; TIMOFAYEV, N.N., professor, nauchnyy redaktor; TUROV, S.I., professor, doktor biologicheskikh nauk; YUDIN, V.M., akademik, nauchnyy redaktor; LISKUN, Ye.F., akademik, nauchnyy redaktor; VITT, V.O., professor, doktor sel'skokhozyaystvennykh nauk, nauchnyy redaktor; KALININ, V.I., kandidat sel'skokhozyaystvennykh nauk, nauchnyy redaktor

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BENEDIKTOV, I.A.--- (continued) Card 2.

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